

21. (New) The isolation transformer of claim 18, wherein the coil layers of the primary and the secondary coils are sheet-type coil layers and are formed by winding the copper wire spirally.

22. (New) The isolation transformer of claim 21, wherein the short-circuit rings are sandwiched between each of the coil layers.

23. (New) The isolation transformer of claim 21, wherein the short-circuit rings are sandwiched between selected coil layers.

24. (New) The isolation transformer of claim 18, wherein the coil layers of the primary and the secondary coils are cylinder-type coil layers and are formed by winding the copper wire cylindrically.

25. (New) The isolation transformer of claim 24, wherein the short-circuit rings are sandwiched between each of the coil layers.

26. (New) The isolation transformer of claim 24, wherein the short-circuit rings are sandwiched between selected coil layers.

27. (New) An isolation transformer, comprising:

a multi-layer, multi-winding primary coil fabricated by stacking coil layers formed by winding an insulated, covered copper wire;

a multi-layer, multi-winding secondary coil fabricated by stacking coil layers formed by winding an insulated, covered copper wire;

a core forming a magnetic path between the primary coil and the secondary coil; and

1
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at least one short-circuit ring formed by coating the copper wire of at least one of the primary and secondary coils with a thin conducting film.